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Aug 27, 1998

DERWENT-ACC-NO: 1995-156614  
DERWENT-WEEK: 199840  
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TITLE: Vehicle rear parcel shelf - made by pressing in cold mould sandwich of honeycomb core with two skins of reinforced thermoplastic and final covering of material.

INVENTOR: DUBOIS, S

PATENT-ASSIGNEE:  
ASSIGNEE  
ETAB MANDUCHER SA  
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CODE  
MANDN  
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PRIORITY-DATA: 1993FR-0012636 (October 22, 1993)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 69411845 E	August 27, 1998		000	B32B003/12
EP 649736 A1	April 26, 1995	F	008	B32B003/12
<u>FR 2711573 A1</u>	May 5, 1995		000	B29C051/14
CZ 9402559 A3	May 17, 1995		000	B60N003/00
EP 649736 B1	July 22, 1998	F	000	B32B003/12

DESIGNATED-STATES: DE ES FR GB IT MC SE DE ES FR GB IT MC SE

CITED-DOCUMENTS:EP 393476; EP 551776 ; FR 2686043 ; WO 9211121

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
DE69411845E	October 20, 1994	1994DE-0611845	
DE69411845E	October 20, 1994	1994EP-0402357	
DE69411845E		EP 649736	Based on
EP 649736A1	October 20, 1994	1994EP-0402357	
FR 2711573A1	October 22, 1993	1993FR-0012636	
CZ 9402559A3	October 17, 1994	1994CZ-0002559	
EP 649736B1	October 20, 1994	1994EP-0402357	

INT-CL (IPC): B29 C 51/12; B29 C 51/14; B29 C 70/08; B29 D 24/00; B32 B 3/12; B60 N 3/00; B60 R 13/08

ABSTRACTED-PUB-NO: EP 649736A  
BASIC-ABSTRACT:

A car rear parcel shelf sepg. the passenger area from the boot and having a substantially flat surface and built-in reinforcement is made in a single stage by pressing in a cold mould (10, 20) at a pressure of 10-30 bar. The press is loaded with

a stack of a first skin (5) of stampable reinforced thermoplastic, a honeycomb core of thermoplastic (3), a second skin of stampable reinforced thermoplastic (4) and an outside covering (6) of woven or non-woven material. The two skins (4, 5) are preheated to softening point before being placed in the mould.

ADVANTAGE - The shelf is sound absorbing, mechanically strong, light, contains no metal reinforcement, and is economical to produce and easily recycled.  
ABSTRACTED-PUB-NO:

EP 649736B

EQUIVALENT-ABSTRACTS:

A car rear parcel shelf sepg. the passenger area from the boot and having a substantially flat surface and built-in reinforcement is made in a single stage by pressing in a cold mould (10, 20) at a pressure of 10-30 bar. The press is loaded with a stack of a first skin (5) of stampable reinforced thermoplastic, a honeycomb core of thermoplastic (3), a second skin of stampable reinforced thermoplastic (4) and an outside covering (6) of woven or non-woven material. The two skins (4, 5) are preheated to softening point before being placed in the mould.

ADVANTAGE - The shelf is sound absorbing, mechanically strong, light, contains no metal reinforcement, and is economical to produce and easily recycled.

CHOSEN-DRAWING: Dwg.4/5

TITLE-TERMS: VEHICLE REAR PARCEL SHELF MADE PRESS COLD MOULD SANDWICH HONEYCOMB CORE TWO SKIN REINFORCED THERMOPLASTIC FINAL COVER MATERIAL

DERWENT-CLASS: A32 A95 P73 Q14

CPI-CODES: A04-G01E; A11-B09A; A12-R06; A12-S08E; A12-T04B;

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1] 017 ; G0033\*R G0022 D01 D02 D51 D53 ; H0000 ; H0011\*R ; H0317 ; S9999 S1354 ; S9999 S1434 ; P1150 Polymer Index [1.2] 017 ; R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D83 ; H0000 ; H0317 ; S9999 S1354 ; S9999 S1434 ; P1150 ; P1343 Polymer Index [1.3] 017 ; ND07 ; ND01 ; K9892 ; Q9999 Q9289 Q9212 ; N9999 N7192 N7023 ; Q9999 Q7818\*R ; B9999 B3985 B3974 B3963 B3930 B3838 B3747 ; B9999 B4091\*R B3838 B3747 ; B9999 B4842 B4831 B4740 ; N9999 N6213 N6177 ; N9999 N6600 ; K9483\*R ; K9574 K9483 ; K9712 K9676 ; K9676\*R ; K9701 K9676 ; K9518 K9483 ; K9530 K9483 ; B9999 B5629 B5572 ; K9665 ; B9999 B5389 B5276

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1995-072118

Non-CPI Secondary Accession Numbers: N1995-123373